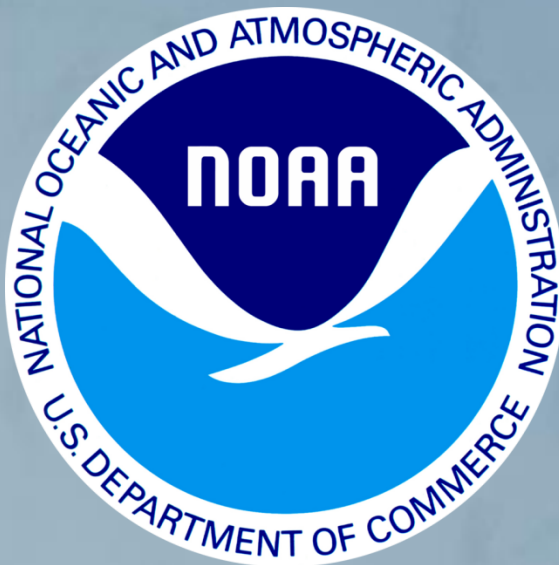




# RISA

Regional Integrated Sciences  
and Assessments



*National Weather Service  
Des Moines, IA*



# Who am I and why am I here?

- Not the 'traditional' NWS hire...
  - High Plains Regional Climate Center
  - Midwestern Regional Climate Center
- Reinforce the need and desire for a Midwest RISA and how NWS WFOs can be a strong ally/partner!



# Climate Services Evolution

- Raw data requests and inquiries continue to reign supreme...but...
- A significant increase for impacts, risk, adaptation, and interpretation information from...
  - Municipalities to state agencies
  - Small farms to corporate farms
  - Businesses and corporations
  - Native American Tribes



# The Need for a Midwest RISA

- Dearth of RISAs through the Plains and Midwest
- Lack of regional partner that specializes in climate impacts, risk, adaptation, and interpretation
  - RCCs specialize in climate data, archival, and dissemination
  - NWS offices do not have the time or expertise
- A clearinghouse for climate information versus the patch work approach currently seen
- A unique ability to utilize both public and private partnerships that the NWS cannot



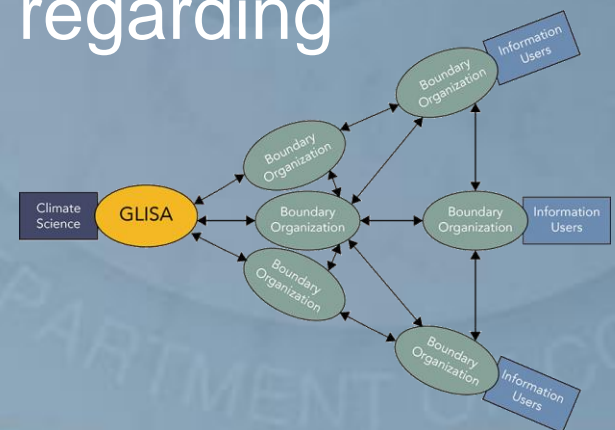
# The Need for a Midwest RISA

- Some specifics...
- Tribal concerns of increased climate variability and change on crops and traditional ways of life (MI/NE/MN/SD/ND)
- Municipal concerns with increased likelihood and magnitude of high precipitation events (IL)
- Specialty crop concerns of increased temperature variability (MI)
- Drought resiliency of family and small commercial farming operations



# How do NWS Field Offices Fit in?

- Already conduct climate services and projects on multiple spatial and temporal scales
- Have built partnerships and trust with partners that can be leveraged to aide RISA mission
- Are one of the most visible groups regarding weather and climate
- Increasing interest in climate at office, regional, national levels

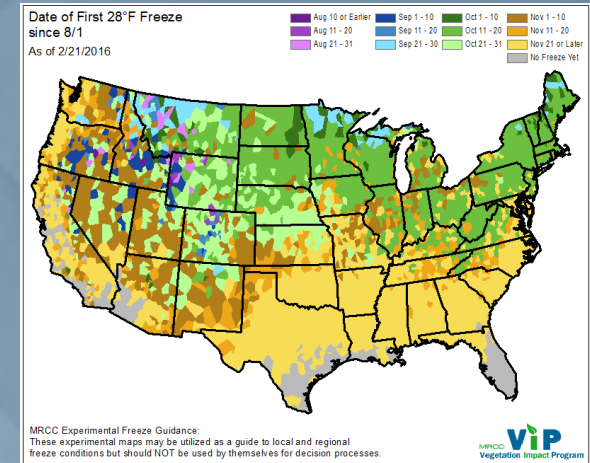




# RCC-NWS Partnerships

## Datzilla

## WxCoder



**A**ccumulated  
**W**inter  
**S**eason  
**S**everity  
**I**ndex

**ACIS** Applied Climate  
Information System

